

SHEPSHED URBAN SANITARY DISTRICT.

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# ANNUAL REPORT

FOR THE YEAR

1905.

BY

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# Shepshed Urban Sanitary District.

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To the Chairman and Members of the Urban District Council.

GENTLEMEN,—

I herewith submit to you my Annual Report on the health of your District for the year 1905, including averages for the ten preceding years, 1895—1904 inclusive.

The  
Population.

There were enumerated 5293 persons in your District at the last census (1901). I have estimated the population at the middle of the year as 5500, and on this number the statistics for the year are based. There were 1161 inhabited houses at the census, producing an average of 4·4 persons per house.

## VITAL STATISTICS.

Births.

There were registered during the year 144 births (73 males and 71 females), which is equivalent to a birth-rate of 26·1 per thousand inhabitants, as compared with 27 for the year 1904. The average birth-rate for the ten preceding years was 30·4. Of the 144 births four were illegitimate.

Deaths.

During the year the total number of deaths registered as occurring in your District, was 92 (46 males and 46 females). This gives a death-rate of 16·7, as compared with 13·7 for 1904. The average death-rate for the ten preceding years was 14·7. There were also three deaths of residents registered in public institutions beyond the District, which increases the nett deaths belonging to the District to 95, and the nett death-rate to 17·2, as compared with 14·4 for 1904. As for the monthly death-rate, the highest was during January and February, and the lowest during October and November. Of the 92 deaths, 25 were under one year, and 28 over 65 years.

Inquests.

Two inquests were held during the year.

Natural  
Increase.

The number of births exceed the number of deaths by 52, as compared with 77 for 1904, and 90 for the years 1903, 1902, and 1901.

Infant  
Mortality.

The infant mortality is calculated on the number of deaths in children under one year of age per thousand registered births. Twenty-five infants died



during the year, producing an infant death-rate of 173·6, a great increase on that of last year, which was 125. The average for the preceding ten years was 139·3. It will be seen from Table V. that five infants died from the common infectious diseases, three from diarrhoeal diseases, and nine from wasting diseases. Though infantile diarrhoea was not very prevalent during the summer months, the fact that only three deaths occurred from this disease is worthy of note.

## ZYMOTIC DISEASES.

**Notifications.** Thirty cases of infectious diseases were notified, including 14 cases of erysipelas, 11 of scarlet fever, 3 of enteric fever, and 2 of puerperal fever.

**Zymotic Mortality.** The number of deaths attributed to infectious diseases was seven,—whooping cough claiming 6 and croup one. The zymotic mortality is 1·2, as compared with 1·1 for the preceding year.

**Erysipelas.** Fourteen cases were notified, and with one or two exceptions were cases of a mild type.

**Scarlet Fever** Eleven cases were notified during the year.

**Enteric Fever.** There were three cases notified, two of which were imported.

**Puerperal Fever.** Two cases were notified, both attributed to midwives. In both cases I cautioned the midwives, and instructed them not to attend midwifery cases for a month at least.

**Chicken-pox.** There were a few cases seen during the year.

**Whooping Cough.** This disease was prevalent during the month of February, and six children died of it.

**Rubella (German Measles).** This disease, for the first time to my knowledge, made its appearance in the District about the middle of March, and made it necessary to close all the Schools (including Sunday Schools).

**Disinfectants** These are freely supplied to houses where cases of infectious disease exist. Sulphur candles are used to disinfect infected premises. All the Day and Sunday Schools were disinfected. In two cases of death from phthisis the houses were disinfected.

## OTHER DISEASES.

**Epidemic Influenza.** Your District has been wonderfully free from this disease during the year.

**Pneumonia.** Many cases of pneumonia have been seen, especially towards the end of the year, and four persons died of it.

**Phthisis and other tubercular diseases.** Eight deaths were due to phthisis, as compared with seven for the preceding year, and ten for 1903. Your Council did not adopt voluntary notification of this disease.

Only two deaths were caused by other tubercular diseases.





## WATER SUPPLY.

The water is obtained from wells. The scarcity of water in some parts of the town during the summer—the result of a long drought—shows the need for a more efficient water supply. Arrangements are being made for the supply of water from Loughborough's new reservoir at Blackbrook, and the mains for such will be laid at an early date. Two factories and one stable-yard are now being supplied with unfiltered water from the Loughborough main.

Four samples of water were examined, three of which were of good quality.

## SEWERAGE.

The street man-holes have had regular attention during the year. Three new connections were made with the main sewers, and the Surveyor reports that in each case the main was clear of deposit. The detritus chamber at the Farm has been cleaned out seven times.

At the Farm the main sewage distributing carrier from the existing sewer to the northern boundary (including a manhole) has been made, and been in continual use since its completion in September. This carrier works very satisfactorily. The main effluent drain with two man-holes has also been laid along the eastern and northern boundaries of the old bed. I strongly recommend that the under-drainage of the new portion of the land be proceeded with, so that this part of the Farm might be utilized for the disposal of sewage, thereby giving the old portion (which is sewage-sick) a thorough rest.

The need for a sewer along Leicester Road becomes more pressing. Several cess-pits here overflow, especially during heavy rains, and become a nuisance and a danger to health. The only remedy for this is the continuation of the main sewer along this road, and I should urge your Council to commence this work at once.

There are now five water-closets connected with the sewers.

## SCAVENGING.

The scavenging is done by contract. The Sanitary Inspector reports that the work has not been done wholly to his satisfaction, there being some trouble to keep the contractors up to the work. There are now 370 pails to be emptied weekly, an increase of 10 on the number for last year.

House refuse is removed monthly.

## NUISANCES.

Regular inspections have been made during the year, especially in those districts where exist the older properties. The sanitary condition of these properties are much improved.

Butchers' shops, fish shops, slaughter-houses, and one knackers' yard were also inspected, and in most cases everything was found satisfactory.





## PLANS AND BUILDINGS.

Twelve plans for new buildings (including nine dwelling houses) were passed by your Council. New dwelling houses are inspected by the Surveyor previous to their occupation.

At the middle of the year there were 1,284 houses, of which 53 were empty, leaving 1,229 inhabited houses.

## FACTORIES AND WORKSHOPS.

The main industries are hosiery and boot and shoe manufactories. Both are carried on in factories and workshops.

There are 6 hosiery and 5 shoe factories, one of the latter being unoccupied. There are also 3 joiners' shops and 1 brickworks, making a total of 14 factories.

The total number of workshops is 46, including 18 hosiery, 2 boot and shoe, 1 printer's, 1 needle-maker's, 6 tailor's, 12 dressmaker's, and 6 bakehouses. All were inspected, and in only two instances was it found necessary to send notices to abate nuisances. There are no underground bake-houses.

Home work.

There is great difficulty in getting in the lists of outworkers. I should suggest that a printed notice be sent twice a year to manufacturers asking them to forward to your Council a copy of their list of outworkers.

The hosiery trade provides the greater part of the home work. Twenty-eight lists were received during the year, including seven from other authorities. Eight lists of addresses of outworkers resident in other districts were sent to other authorities. The lists included 488 outworkers in your District, and 8 in other districts. Fifty-six home-worker's premises were inspected during the year. These included three cases of infected houses, and in each of these instances the manufacturers concerned were notified.

Common  
Lodging  
Houses.

None exist in your District.

Dairies, Cow-  
sheds, and  
Milk-shops'  
Order.

The regulations under these orders have been adopted, and came into operation on January 1st.

## THE TABLES.

These have been filled up as far as they refer to the District.

## RESUME.

The birth rate (26.1) shows a falling off from that of previous years, the average for the past decade being 30.4).

The death rate (16.7) for this year compares rather badly with that for 1904 (13.7), and also with the average death rate for the ten preceding years (14.7).



The infant mortality has also increased.

As regards Infectious Diseases, the number of cases notified is less than that for 1904.

Good progress has been made at the Sewage Farm, and I hope that the work will soon be completed.

Your Council has taken a good step forward in adopting the Dairies, Cowsheds, and Milkshops Order.

The General sanitary state of the District is good, and the condition of the older parts of the town improved.

I have the honour, Gentlemen, to remain,

Your obedient servant,

THOMAS BELL.

SHEPSHED, *February, 1906.*



# TABLE I.

Vital Statistics of Whole District during 1905 and previous Years.

YEAR.	Population esti- mated to Middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
				Under 1 Year of Age.		At all Ages.				
		Number	Rate.*	Number	Rate per 1000 Births registered.	Number	Rate.*			
1895	4416	159	36.3	24	150	86	19.5	..	...	...
1896	5000	170	34.0	22	129	68	13.6	...	...	...
1897	5000	112	22.4	19	169	80	16.0	...	...	...
1898	5000	162	32.4	16	98	66	13.2	...	...	..
1899	5000	151	30.2	19	125	67	13.4	...	...	...
1900	5000	158	31.6	34	215	96	19.2	...	...	...
1901	5293	163	30.8	24	147	73	13.8	...	..	...
1902	5293	154	29.1	19	123	64	12.0	...	..	...
1903	5293	160	30.2	18	112	70	13.2	1	71	13.4
1904	5400	151	27.0	19	125	74	13.7	4	78	14.4
Averages for years 1895-1904.	5069	154	30.4	24.4	139.3	74.4	14.7	...	...	...
1905	5500	144	26.1	25	173.6	92	16.7	3	95	17.2

\* Rates calculated per 1000 estimated population.  
 Area of District in acres (exclusive of area covered by water), 5280.  
 Total population at all ages, at census of 1901, 5293.  
 Number of inhabited houses " " 1161.  
 Average number of persons per house " " 4.1.

# TABLE III.

Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.					
	At all Ages.	At Ages—Years.				
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65. 65 and upwards
Small-pox ..	...	...	..	...	...	...
Cholera ...	..	...	...	...	...	..
Diphtheria ...	...	...	..	...	...	...
Membranous croup	...	...	...	..	...	...
Erysipelas ...	14	...	...	...	3	11
Scarlet fever ...	11	...	3	8	...	...
Typhus fever ...	...	...	...	...	...	...
Enteric fever ...	3	...	1	...	2	..
Relapsing fever ...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...
Puerperal fever ...	2	...	...	...	1	1
Plague.. ..	...	...	...	...	...	...
Totals ..	30	...	4	8	6	12
..	...	...	...	...	...	..

TABLE II. Not required for this District.





## TABLE IV.

Causes of, and Ages at, Death during the Year, 1905.

CAUSES OF DEATH.				DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.						
				All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.
Small-pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	..	...	...	...	...	...
Scarlet fever	...	...	...	...	..	...	...	...	...	...
Whooping cough	...	...	...	6	4	2	...	...	...	..
Diphtheria and membranous croup	...	...	...	...	...	...	...	...	...	...
Croup	...	...	...	1	1	...	...	...	...	...
Fever	{	Typhus	...	...	...	...	...	...	...	...
		Enteric	...	...	...	...	...	...	...	...
		Other continued	...	...	...	...	...	...	...	...
Epidemic influenza	...	...	...	...	..	...	..	...	...	...
Cholera	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	..	..
Diarrhœa	...	...	...	2	1	1	...	...	...	...
Enteritis	...	...	...	1	...	...	...	...	...	1
Puerperal fever	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Other septic diseases	...	...	...	2	...	1	1	...	...	..
Phthisis (Pulmonary Tuberculosis)	...	...	...	8	..	...	...	4	4	...
Other tubercular diseases	...	...	...	2	1	1	...	...	...	...
Cancer, malignant disease	...	...	..	7	...	...	...	...	2	5
Bronchitis	...	...	...	10	3	3	...	...	...	4
Pneumonia	...	..	...	4	1	1	...	1	1	...
Pleurisy	...	...	..	..	...	...	...	...	...	...
Other diseases of Respiratory organs	...	...	...	...	...	...	...	...	..	...
Alcoholism, Cirrhosis of liver	...	...	...	...	...	...	...	...	...	...
Venereal diseases	...	...	...	...	...	...	...	...	...	...
Premature birth	...	...	...	3	3	..	...	...	...	...
Diseases and accidents of parturition	...	...	...	1	...	...	...	...	1	...
Heart diseases	...	...	...	6	...	...	...	..	2	4
Accidents	..	...	..	1	...	1	...	...	...	...
Suicides	...	...	...	...	...	...	...	...	...	...
All other causes	...	...	...	38	11	2	1	1	9	14
All causes	...	...	...	92	25	12	2	6	19	28



## TABLE V.

## INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.				Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes.	Certified	...	...	4	2	1	1	8	..	2	..	5	2	...	...	1	4	2	1	25
	Uncertified	...	...																	
Common Infectious Diseases.	Small-pox	...	...																	
	Chicken-pox	...	..																	
	Measles	...	...																	
	Scarlet fever	...	...																	
	Diphtheria: Croup	..	...	...	...	...	...	...	...	...	...	..	..	...	...	...	...	1	...	1
Diarrhœal Diseases.	Whooping cough	...	...	..	..	..	..	..	..	..	..	1	...	...	...	1	1	1	...	4
	Diarrhœa, all forms	..	...	1	...	1	...	...	...	...	..	...	...	...	...	..	...	...	...	1
	Enteritis ( <i>not Tuberculosis</i> )...																			
	Gastritis, Gastro-intestinal Catarrh)	..	...	...	1	1	...	1	...	...	...	...	...	...	...	..	...	...	...	2
	Premature Birth	...	2	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	..	3
Wasting Diseases.	Congenital Defects	...	...	...	...	...	...	...	1	...	...	...	...	..	...	...	...	...	...	1
	Injury at Birth	...																		
	Want of Breast-milk	..																		
	Atrophy, Debility, Marasmus	2	1	..	...	3	..	...	...	1	...	..	...	...	...	...	1	...	...	5
	Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
Tuberculous Diseases.	Tuberculous Peritonitis: )																			
	Tabes Mesenterica )																			
	Other Tuberculous Diseases																			
	Erysipelas	...	...																	
	Syphilis	...	...																	
Other causes	Rickets	...	...	...	...	...	..	...	...	...	1	...	...	...	...	...	...	...	...	1
	Meningitis ( <i>not Tuberculous</i> )																			
	Convulsions	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
	Bronchitis	...	...	...	...	...	...	...	...	...	1	..	...	...	...	...	1	...	1	3
	Laryngitis	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	1
	Pneumonia	...	..	...	...	...	...	...	...	...	...	1	...	...	...	...	..	...	...	1
	Suffocation, overlaying	...																		
Other causes	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	
				4	2	1	1	8		2		5	2			1	4	2	1	25

District of SHEPSHED.

Population,  
Estimated to middle of 1905,  
5,500.

Births in the year	{	legitimate ...	140
		illegitimate ...	4

Deaths from all Causes at all Ages ... 92.





Factories, Workshops, Laundries, Workplaces, and Home Work.

1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) ... ..	14	0	0
Workshops (including Workshop Laundries) ... ..	46	2	0
Home-workers' Premises ... ..	56	3	0
Total ... ..	116	5	0

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied	Referred to H. M. Inspector.	
Want of cleanliness ... ..	2	2		
Giving out work to be done in premises which are { unwholesome (s. 108)	0	0		
	3	3		
Total ... ..	5	5		

3.—OTHER MATTERS.

Class.						Number of	
						Lists.	Outworkers.
Home-work :—Lists of Outworkers* (s. 107)							
Lists received ... ..						21	488
Addresses of outworkers ... { forwarded to other Authorities ...						8	8
						7	64
Home-work in unwholesome or infected premises :—						Wearing Apparel.	Other.
Cases of infectious disease notified in homeworkers' premises ...						3	0
Orders prohibiting homework in infected premises (s. 110) ...						3	0
Workshops on the Register (s. 131) at the end of the year :—							
Important classes of work-shops, such as work shop bakehouses, may be enumerated here.	{	Bakehouses ... ..	...	...	...	6	
		Dressmakers ... ..	...	...	...	12	
		Needle-makers ... ..	...	...	...	1	
		Tailors ... ..	..	...	...	6	
		Printer ... ..	...	...	...	1	
		Boot and Shoe ... ..	..	..	..	2	
		Hosiery (hand frames) ... ..	..	..	...	18	
Total number of work-shops on Register ... ..						46	

\* The Lists should be received twice in the year. The year's figures required in the Table are those obtained by adding together the two half-yearly totals.

